



# NEWSLETTER

## IMEKO Technical Committee 12

c/o Francesco Righini  
CNR Istituto Metrologia "G. Colonnetti"  
Strada delle Cacce, 73 - 10135 Torino, Italy  
tel + 39 011 3977340 fax + 39 011 3977347  
e-mail: righini@imgc.to.cnr.it

### TO THE MEMBERS OF IMEKO TC12

Dear Colleagues,

this issue of the Newsletter brings to you preliminary details on the Call for Papers of TEMPMEKO '96, that will be mailed in a few weeks. All of you will receive several copies and are kindly asked to distribute them to interested persons or organizations in your country.

Your help is also solicited to prepare a comprehensive mailing list for TEMPMEKO '96 and for other future events of TC12. I am urging all of you to prepare a list of names (and addresses) of persons and organizations potentially interested in activities in temperature and thermal measurements in your country and send it to me as soon as possible. Your submissions will be crosschecked with the names in the present mailing list to obtain a comprehensive database. Some time devoted to this effort now will greatly simplify the organizational work of future events and your own future work in spreading out information in your country.

Details on other planned events organized by TC12 and miscellaneous information on topics of interest are added to keep you informed on the various activities.

*Francesco Righini*

### TOWARD TEMPMEKO '96

The preparatory work of TEMPMEKO '96 has continued smoothly. I am enclosing a summary of the major items defined in recent months.

#### **International Program Committee (IPC)**

The IPC has been formed with several senior members of TC12 and some external experts acting as liaison with scientific organizations having similar or complementary interests in the area of temperature and thermal measurements. Letters of invitation to join the IPC have been mailed to

J. Ancsin	Canada	member TC12
F. Bernhard	Germany	member TC12
L. Besley	Australia	member TC12
P. Bloembergen	The Netherlands	member TC12
G. Bonnier	France	member TC12
L. Crovini	Italy	liaison CCT
D. DeWitt	USA	member TC12
K. Grohmann	Germany	liaison EUROMET
T. Kovács	Hungary	member TC12
B.W. Mangum	USA	liaison ASTM
L. Michalski	Poland	member TC12
J. McGhee	United Kingdom	member TC12
T.J. Quinn	France	liaison BIPM
T. Ricolfi	Italy	chairman NOC
F. Righini	Italy	chairman IPC
D.Ya. Svet	Russia	member TC12
Zhao Qi	China	member TC12

#### **National Organizing Committee (NOC)**

The NOC has defined the following major points:

1. the organizers of TEMPMEKO '96 will be
  - a) CNR Istituto di Metrologia "G. Colonnetti" (IMGC), the Italian National Measurement Institute for mechanical and thermal quantities
  - b) Dipartimento di Energetica, Politecnico di Torino that will host the event
  - c) Associazione Italiana Proprietà Termofisiche (AIPT, Italian Society for Thermophysical Properties) that will provide administrative support.
2. TEMPMEKO '96 will be held at the Politecnico di Torino (located in the center of the city) on September 10-12, 1996. A visit to the Temperature Department of IMGC will be organized on September 13, 1996.
3. Coordination with other events:
  - a) the 14th European Conference on Thermophysical Properties (ECTP14) will take place in Lyon, France in the period September 16-19, 1996. Lyon can be reached by train from Torino in approximately 4 hours
  - b) the CCT (Consultative Committee on Thermometry of CIPM) will meet in Paris, France in the period September 17-19, 1996 (date to be confirmed). Paris can be reached

from Torino either by train (about 7 hours) or by plane (about 1 hour).

**Deadlines for TEMPMEKO '96**

- Submission of preliminary registration form with paper title:

**31 October 1995**

- Submission of abstract:

**01 February 1996**

- Notification of acceptance:

**15 March 1996**

- Second circular and provisional programme:

**31 April 1996**

- Submission of papers (at the Symposium):

**10 September 1996**

**Proceedings**

Contacts with the IMEKO journal Measurement to publish all the papers of TEMPMEKO '96 (after appropriate refereeing) were not successful. Therefore it was decided to publish a Proceedings volume approximately 6-8 months after the event.

All papers will be subject to peer review.

Francesco Righini

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**WORKSHOP ON SURFACE THERMAL MEASUREMENTS, BUDAPEST, HUNGARY NOVEMBER 7-9, 1995**

The 4th Workshop of this series is planned for November 7-9, 1995 in Budapest, Hungary. The following problems of surface thermal measurements will be discussed:

- sensors and methods for surface thermal measurements
- surface heat loss measurements and heat flux technology
- surface thermal resistance measurements by  $\Delta T$  and heat flux detection
- dynamic behaviour of thermal surfaces
- calibration problems of surface temperature sensors
- characterization of thermal surfaces by real time measurements of surface parameters.

The Workshop will gather a small group of specialists in the field with 12 presentations on the different topics. A fair amount of time will be

devoted to detailed and informal discussions among the 20-30 colleagues expected to attend this specific event.

During the Workshop the participants will have the possibility to visit the laboratories of OMH (National Office of Measures), including the specialized thermal measurements laboratory.

Publication of the Proceedings (including the discussions) will be arranged through the IMEKO Secretariat.

Anybody interested in the event can obtain additional information from

Tibor Kovács, OMH

tel +36 1 1567722 or 1567208

fax +36 1 1550598

*Tibor Kovács*

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**MISCELLANEA**

**New members.** In recent months new members have joined TC12. They are:

- Dr. Wang Li from Singapore Institute of Standards and Industrial Research, Singapore
- Dr. Ahmet T. Ince from National Metrology Institute, Gebze-Kocaeli, Turkey

**Future events.** Prof. L. Michalski has proposed to organize in Poland (Autumn 1997) a Workshop on "Dynamic Temperature Measurements" with these possible topics:

- dynamics of temperature sensors
- identification of dynamic properties of temperature sensors
- transient temperature measurements
- correction of dynamic errors
- low inertia temperature sensors

**Help to participants from developing country.** The Chairman of TC11 (Dr. Seiler, PTB) informs that some funds by the German Federal Ministry for Economic Cooperation and Development (BMZ) are available for participants from developing countries interested in attending some IMEKO events in 1995 (including the TC12 Workshop on Surface Thermal Measurements in Budapest, Nov. 1995). Applications (including evidence of the importance of participation and of lasting effects) should be sent to:

Dr. E. Seiler

PTB - Postfach 3345

D 38023 Braunschweig, Germany

fax + 49 531 5928225